

4. (Amended) A heat exchanger according to Claim 1, wherein the heat exchanger comprises at least two, heat exchanger blocks (1).

5. (Amended) A heat exchanger according to Claim 4, wherein the heat exchanger blocks (1) have feed and/or discharge lines which lead into a common connection line.

6. (Amended) A heat exchanger according to Claim 1, wherein the securing means have joints (5, 7).

7. (Amended) A heat exchanger according to Claim 6, wherein the securing means have two axes of rotation (6, 9) which lie perpendicular to one another.

8. (Amended) A heat exchanger according to Claim 1, wherein the securing means have a first element (3), which is fixedly connected to the heat exchanger block (1), and a second element (4), which is articulately connected to the first element (3), the second element (4) being articulately secured in the insulating vessel.

9. (Amended) In a low-temperature air fractionation plant comprising a principal heat exchanger and at least one fractuating column, the improvement wherein the principal heat exchanger is a heat exchanger according to Claim 1.

Please add the following new claims:

10. A heat exchanger according to Claim 2, wherein the heat exchanger block (1) is suspended in such a manner that it can move freely above its center of gravity.

11. A heat exchanger according to Claim 4, comprising at least three heat exchanger blocks.--